

NOVEMBER/DECEMBER 2025

**FESC64C/CESC64C — SOFTWARE
QUALITY ASSURANCE**



Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is Software quality?
2. Write down any two software quality factors.
3. Define validation.
4. Short note on White box testing.
5. What is the documentation?
6. Write any two components of project progress control.
7. What is Total Quality Management?
8. Write down objectives of quality measurement.

9. What is ISO-9001 Standards?

10. List out any two roles of SQA.

SECTION B — ($5 \times 5 = 25$ marks)

Answer ALL questions.

11. (a) Discuss about the uniqueness of software quality assurance.

Or

(b) Describe the software project life cycle components.

12. (a) State the software testing strategies.

Or

(b) What is CASE tool? Explain contribution of CASE tools.

13. (a) Narrate the need for procedures and work instructions.

Or

(b) Explain the objectives of training and certification process.

14. (a) Illustrate the process metrics.

Or

(b) Briefly explain the scope of quality management.

15. (a) Explain about the components of project progress control.

Or

(b) What is TQM? Explain in detail.

SECTION C — ($3 \times 10 = 30$ marks)

Answer any THREE questions.

16. Explain the SQA system architecture.

17. Write about the Objectives of testing strategies.

18. Describe the corrective and preventive actions process.

19. Discuss about the classification of software quality metrics.

20. State the Implementation of project progress control.